

In re Patent Application of:

WU

Serial No. 10/584,663

Filed: 06/26/2006

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IN THE CLAIMS:

1. (canceled)

2. (canceled)

3. (currently amended) A shock attenuation system for ~~of~~ an elastic insole of a shoe comprising ~~shoes~~ to realize the method as claimed in claim 1, comprises:

an insole body,

~~said insole body has~~ a pressure controller ~~(A)~~ located at a ~~its~~ side of said insole body, wherein said pressure controller ~~(A)~~ includes

a first multi-pipe circulating flow pressure controller; controlling means (1) and

a second single-pipe bi-directional flow pressure controller; controlling means (2), and

an adjusting device extending ~~(3)~~ is further installed between said first multi-pipe circulating flow pressure controller controlling means (1) and said second single-pipe bi-directional flow pressure controller controlling means (2), and for controlling

~~said adjusting device (3) controls~~ the operation of either one of said first and second two pressure controllers controlling means

wherein said adjusting device comprises:

a rotatable shaft;

a rotating knob on a first exterior end of said rotatable shaft;

disc-shaped adjusting heads mounted on said rotatable shaft proximate the middle thereof;

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an adjustable tip at a second interior end of said rotatable shaft

whereby, in use, rotation of said rotating knob in one direction rotates the rotatable shaft upwards, thereby closing said first flow pressure controller using said disc-shaped adjusting heads while opening said second flow pressure controller using said adjustable tip; and
whereby, in use, rotation of said rotating knob in an opposite direction rotates said rotatable shaft downwards, thereby opening said first flow pressure controller while closing said second flow pressure controller.

4. (currently amended) A shock attenuation system ~~of an elastic insole of shoes~~ as claimed in claim 3, wherein said first controller multi-pipe circulating flow pressure controlling means ~~(1)~~ includes a first ball valve ~~(11)~~ ~~as at an~~ the entry to a ~~of the~~ flow passage, and a vane valve at an ~~(12)~~ ~~as the exit of the~~ flow passage; and
wherein said second controller a second ball valve at an access to a flow passage, and wherein said second ball valve is equipped with a spring for pushing the second ball valve into the flow passage.

5. (canceled)

6. (currently amended) A shock attenuation system ~~of an elastic insole of shoes~~ as claimed in claim 3- 4, wherein said first ball valve includes a first ball, and said second ball valve includes at least one second ball; adjusting device (3) includes a rotation shaft (31) and an adjusting turnbutton (32) connected to the exterior bottom of the rotation shaft (31); Disc- wherein said disc shaped adjusting heads ~~(311)~~ are sleeved on the middle part of said

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~~rotation shaft (31), by moving said adjusting heads (311), a ball (111) of the first ball valve (11) may be laterally displaced~~ said first ball to close the first ball valve; and wherein the an adjusting adjustable tip (312) is set on the interior top of said rotation shaft (31) so as to presses against the second a ball (211) of the seeond ball valve (21) and to make the ball (211) to displace the second ball longitudinally to open the second ball valve.

7. (currently amended) A shock attenuation system ~~of an elastic insole of shoes~~ as claimed in claim 6, wherein the number of the disc-shaped adjusting heads ~~corresponds~~ (311) may be set ~~corresponding~~ to the number of first balls ~~the ball valves (11)~~ to be controlled.